

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of: )  
Michael HERMANN ) Examiner: Unknown  
Serial No. New Application ) Group Art Unit: Unknown  
Filed: April 5, 2004 )  
For: MEASUREMENT DEVICE AND METHOD )  
FOR DETERMINING THE THREE- DIMENSIONAL )  
ORIENTATION OF A BODY RELATIVE TO TWO )  
HORIZONTAL REFERENCE DIRECTIONS )

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

Published German Patent Application 100 60 974 A1 discloses an arrangement for measuring the alignment of parallel shafts in which adapters 20 for carrying the measuring components 60, 62 is attached by screwing to the ends of the shafts.

The documents are being submitted within three (3) months of the filing of this application or entry into the national stage of this application, or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initial a copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

By: \_\_\_\_\_

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	
				New Application	
				Filing Date	
				April 5, 2004	
				First Named Inventor	
		Michael HERMANN			
Art Unit		Unknown			
Examiner Name		Unknown			
Sheet	1	of	1	Attorney Docket Number	741124-101

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-5,719,764	02-17-1998	McClary	
		US-6,195,615	02-27-2001	Lysen	
		US-6,671,648	12-30-2003	McCall et al.	
		US-2002/0165688 A1	11-07-2002	Hermann	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		DE 100 60 974 A1	08-30-2001	Albrecht et al.		
		DE 42 05 879 A1	09-02-1993	Pickhard et al.		AB
		DE 195 46 405 A1	06-19-1997	Lysen		AB
		DE 198 00 901 A1	07-22-1999	Prüftechnik DieterBusch AG		AB
		DE 198 30 359 A1	01-20-2000	Zwosta		AB
		DE 199 49 834 A1	04-19-2001	Lysen		AB

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Lekskulchai PONGSAK et al. ATTITUDE ESTIMATION BY COMPENSATING GRAVITY DIRECTION, DEPARTMENT OF MECHANO-INFORMATICS, THE UNIVERSITY OF TOKYO	
		PROCEEDINGS OF THE 1993 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS, YOKOHAMA, JAPAN, JULY 26-30, 1993, AN INERTIAL NAVIGATION SYSTEM FOR A MOBILE ROBOT, BILLUR BARSHAN AND HUGH F. DURRANT-THYTE, ROBOTICS RESEARCH GROUP, DEPT. OF ENGINEERING SCIENCE, UNIVERSITY OF OXFORD, PAGES 2243-2248	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.